

CLAIMS

What is claimed is:

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1. A character recognition device to recognize characters in a text image read by an image scanner, comprising:
a multiple recognition device to separately perform character recognition of the text image using respective recognition methods;
an extraction device to extract locations of non-coinciding results in the characters recognized by the respective recognition methods; and
an output device to designate the non-coinciding locations extracted by the extraction device and to output character recognition results for the text image.

2. A character recognition device to recognize characters in a text image read by an image scanner, comprising:
a first recognition device to recognize the characters in the text image using a first character recognition method;
a second recognition device to recognize the characters in the text image using a second character recognition method different from the first character recognition method;

8 an extraction device to extract locations of recognized characters in the text
9 image wherein the recognition results of the first recognition device do not coincide
10 with the recognition results of the second recognition device; and

11 an output device to output character recognition results designating the non-
12 coinciding locations extracted by the extraction device.

1 3. A character recognition device as recited in claim 1, wherein the output
2 device contrasts the text image and the character recognition results.

1 4. A character recognition device as recited in claim 2, wherein the output
2 device contrasts the text image and the character recognition results.

1 5. A character recognition device as recited in claim 1, further comprising:
2 a display having a display screen to display character recognition results,
3 wherein the output device to contrasts the text image and the character
4 recognition results while displaying the character recognition results on the display
5 screen, and displays a cursor in a display area of the character recognition results while
6 displaying the text image in a format that designates the location of the text image
7 coordinated at the position of the cursor.

1 6. A character recognition device as recited in claim 2, further comprising:
2 a display having a display screen to display character recognition results,
3 wherein the output device contrasts the text image and the character recognition
4 results while displaying the character recognition results on the display screen, and
5 displays a cursor in a display area of the character recognition results while displaying
6 the text image in a format that designates the location of the text image coordinated at
7 the position of the cursor.

1 7. A character recognition device as recited in claim 1, further comprising:
2 an output device to output a symbol or a blank to display locations that do not
3 coincide instead of the recognized characters.

1 8. A character recognition device as recited in claim 2, further comprising:
2 an output device to output a symbol or a blank to display locations that do not
3 coincide instead of the recognized characters.

1 9. A character recognition device as recited in claim 1, further comprising:

2 an output device to output the recognized characters with a high evaluation value
3 for the non-coinciding locations that have the same number of recognized characters in
4 an output format that is different from the output format of the non-coinciding
5 locations.

1 10. A character recognition device as recited in claim 2, further comprising:
2 an output device to output the recognized characters with a high evaluation value
3 for the non-coinciding locations that have the same number of recognized characters in
4 an output format that is different from the output format of the non-coinciding
5 locations.

1 11. A character recognition device as recited in claim 1, further comprising:
2 an output device to output the recognized characters of the non-coinciding
3 locations selected using a prescribed standard for the non-coincident locations with a
4 different number of recognized characters in a format that is different from the output
5 format for the non-coinciding locations.

1 12. A character recognition device as recited in claim 2, further comprising:

2 an output device to output the recognized characters of the non-coinciding
3 locations selected using a prescribed standard for the non-coincident locations with a
4 different number of recognized characters in a format that is different from the output
5 format for the non-coinciding locations.

1 13. A character recognition device as recited in claim 1, further comprising:
2 an output device to output in a format indicating that the recognition results
3 coincide but have a low recognition reliability.

1 14. A character recognition device as recited in claim 2, further comprising:
2 an output device to output in a format indicating that the recognition results
3 coincide but have a low recognition reliability.

1 15. A character recognition method to recognize characters in a text image
2 read by an image scanner, comprising:
3 recognizing characters in the text image using a prescribed recognition method;
4 recognizing characters in the text image using a recognition method different
5 from the prescribed recognition method;

6 extracting non-coinciding locations between the recognition results of the
7 character recognition using the prescribed recognition method and the recognition
8 results of the character recognition method different from the prescribed recognition
9 method; and

10 designating the non-coinciding locations extracted and outputting the recognition
11 results of the characters in the text image.

1 16. A computer readable medium encoded with processing instructions for
2 implementing a character recognition method of recognizing characters in a text image
3 read by an image scanner, the character recognition method comprising:

4 recognizing characters in the text image using a prescribed recognition method;

5 recognizing characters in the text image using a recognition method different
6 from the prescribed recognition method;

7 extracting the non-coinciding locations between the recognition results of the
8 character recognition using the prescribed recognition method and the recognition
9 results of the character recognition method different from the prescribed recognition
10 method; and

11 designating the non-coinciding locations extracted and outputting the recognition
12 results of the characters in the text image.